REV LETTER: E
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PART NUMBER:

LP16-1000

Polymer PTC Devices

R-line resettable fuses

Shanghai Wayon Thermo/Electro Materials Co.,Ltd.
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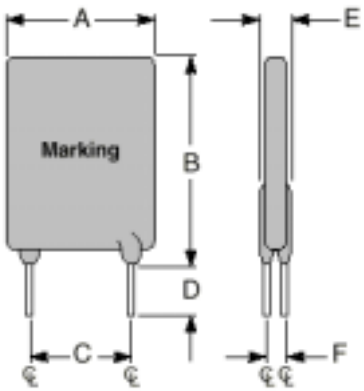
Features

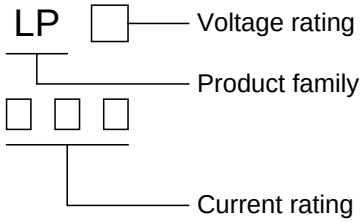
- ☐ Radial leaded devices
- ☐ Faster tripping, typical application in micro-motors for automobiles
- ☐ Protecting against overcurrent and overtemperature faults
- ☐ Agency Recognition: UL、CSA、TUV

Product Dimensions (mm)

Part number	A	B	C	D	E	F	Lead
	Max.	Max.	Typ.	Min.	Max.	Typ.	Size(ϕ)
LP16-1000	17.2	24.8	5.1	7.6	3.0	1.2	0.8



Marking system



* Lead materials: Tin-plate metal wire.
* Lead-free devices are available,
the right logo is lead-free mark of wayon.

Electrical Characteristics

Part number	I_H	I_T	T_{trip}	V_{max}	I_{max}	Pd_{typ}	R_{min}	R_{max}
	(A)	(A)	(S)	(V)	(A)	(W)	(Ω)	(Ω)
LP16-1000	10.0	17.0	12.5	16	100	3.3	0.003	0.012

I_H=Hold current: maximum current at which the device will not trip at 25℃ still air.

I_T=Trip current: minimum current at which the device will always trip at 25℃ still air.

T_{trip}=Maximum time to trip at 5 times hold current.

V_{max}=Maximum voltage device can withstand without damage at rated current.

I_{max}=Maximum fault current device can withstand without damage at rated voltage.

Pd_{typ}=Typical power dissipation: typical amount of power dissipated by the device when in state air environment.

R_{min}=Minimum device resistance at 25℃ prior to tripping.

R_{1max}=Maximum device resistance at 25℃ measured 1 hour post trip.

Thermal Derating Chart-I_H(A)

Part number	Maximum ambient operating temperatures(℃)								
	-40	-20	0	25	40	50	60	70	85
LP16-1000	14.7	13.3	12.0	10.0	8.7	8.0	7.0	6.3	4.7

Package Information

Bulk: 1000pcs per bag.

Tape & Reel: 1500pcs per reel.